

### Abstract

The invention relates to a device for simultaneously, qualitatively or quantitatively identifying a number of analytes in a liquid sample, comprising a membrane (2) with: a  
5 charging zone (5) for applying the liquid sample; at least two indicator zones, which can interact with the analyte(s), and at least one absorption area (3), which absorbs the liquid after passing the indicator zones, whereby the indicator zones are located between the charging zone (5) and an absorption area (3). The invention is characterized in that the  
10 flowing directions from the charging zone (5) through the respective indicator zones to an absorption area (3) (flow paths) are essentially parallel, and at least two different flow paths exist. The invention also relates to a method for identifying a number of analytes or the derivatives thereof in a liquid sample, consisting in the application of the sample to the charging zone (5) of a membrane (2) of the device according to one of cited claims 1 to 8, whereby this sample is present in an amount sufficient for causing the sample liquid  
15 to flow through the indicator zones toward the absorption area (3), and for causing the analytes or the derivatives thereof in the sample liquid to form a complex in the indicator zones.